

(2)

OIPE

RAW SEQUENCE LISTING

DATE: 08/09/2001

PATENT APPLICATION: US/09/919,473

TIME: 14:25:41

Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\08092001\I919473.raw

ENTERED

2 <110> APPLICANT: Vale, Wylie Walker Jr.
 3 Lewis, Kathy Ann
 4 Reyes, Teresa Marie
 5 Hogenesch, John Beren
 6 Sawchenko, Paul Emil
 7 Vaughan, Joan Maureen
 8 Rivier, Jean Edouard Frederic
 9 Perrin, Marilyn Heller
 11 <120> TITLE OF INVENTION: Urocortin Proteins and Uses Thereof
 13 <130> FILE REFERENCE: D6334
 W--> 15 <140> CURRENT APPLICATION NUMBER: US/09/919,473
 C--> 15 <141> CURRENT FILING DATE: 2001-07-31
 17 <150> PRIOR APPLICATION NUMBER: US 60/273,969
 18 <151> PRIOR FILING DATE: 2001-03-07
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 23 <211> LENGTH: 399
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 27 <220> FEATURE:
 28 <221> NAME/KEY: CDS
 29 <222> LOCATION: 7..345
 30 <223> OTHER INFORMATION: DNA Sequence encoding human
 31 Urocortin-related peptide (hURP)
 33 <400> SEQUENCE: 1
 34 ctcacgatga ccaggtgtgc tctgctgttg ctgatgggtcc tgatgttggg 50
 35 cagagtccctg gttgtccag tgaccctat cccaaccttc cagctccgcc 100
 36 ctcagaattc tccccagacc actccccgac ctgcggcctc agagagcccc 150
 37 tcagctgttc ccacatggcc gtgggtgtgc cagagccact gcagccccac 200
 38 ccgccacctt ggctcgcgca ttgtcctatc gctggatgtc cccatcggcc 250
 39 tcttgcagat cttactggag caagcccggg ccaggggtgc cagggagcag 300
 40 gccaccacca acgcccgcct cctggcccggt gtcggccact gctgagcctg 350
 41 agagagggggg tcacagtgat agggccaccc tggatgggaa gacctggag 399
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 44 <211> LENGTH: 112
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Homo sapiens
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Human Urocortin-related peptide (hURP)
 50 precursor peptide
 52 <400> SEQUENCE: 2
 53 Met Thr Arg Cys Ala Leu Leu Leu Leu Met Val Leu Met Leu Gly
 54 5 10 15
 56 Arg Val Leu Val Val Pro Val Thr Pro Ile Pro Thr Phe Gln Leu
 57 20 25 30
 59 Arg Pro Gln Asn Ser Pro Gln Thr Thr Pro Arg Pro Ala Ala Ser
 60 35 40 45

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62 Glu Ser Pro Ser Ala Ala Pro Thr Trp Pro Trp Ala Ala Gln Ser
63              50              55              60
65 His Cys Ser Pro Thr Arg His Pro Gly Ser Arg Ile Val Leu Ser
66              65              70              75
68 Leu Asp Val Pro Ile Gly Leu Leu Gln Ile Leu Leu Glu Gln Ala
69              80              85              90
71 Arg Ala Arg Ala Ala Arg Glu Gln Ala Thr Thr Asn Ala Arg Ile
72              95              100             105
74 Leu Ala Arg Val Gly His Cys
75              110
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78 <211> LENGTH: 41
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Human Urocortin-related peptide (hURP)
85 <400> SEQUENCE: 3
86 Ile Val Leu Ser Leu Asp Val Pro Ile Gly Leu Leu Gln Ile Leu
87              5              10              15
89 Leu Glu Gln Ala Arg Ala Arg Ala Ala Arg Glu Gln Ala Thr Thr
90              20              25              30
92 Asn Ala Arg Ile Leu Ala Arg Val Gly His Cys
93              35              40
95 <210> SEQ ID NO: 4
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97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Amino acids 1-38 of human
102     Urocortin-related peptide (hURP)
104 <400> SEQUENCE: 4
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108 Leu Glu Gln Ala Arg Ala Arg Ala Ala Arg Glu Gln Ala Thr Thr
109              20              25              30
111 Asn Ala Arg Ile Leu Ala Arg Val
112              35
114 <210> SEQ ID NO: 5
115 <211> LENGTH: 40
116 <212> TYPE: PRT
117 <213> ORGANISM: Homo sapiens
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122 <400> SEQUENCE: 5
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126 Thr Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala
127              20              25              30
129 Glu Gln Asn Arg Ile Ile Phe Asp Ser Val

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130                               35           40
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134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Human Corticotropin Releasing Factor
140 <400> SEQUENCE: 6
141 Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
142                               5           10           15
144 Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln
145                               20           25           30
147 Ala His Ser Asn Arg Lys Leu Met Glu Ile Ile
148                               35           40
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151 <211> LENGTH: 41
152 <212> TYPE: PRT
153 <213> ORGANISM: Cyprinus carpio
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Carp Urotensin (cUro)
158 <400> SEQUENCE: 7
159 Asn Asp Asp Pro Pro Ile Ser Ile Asp Leu Thr Phe His Leu Leu
160                               5           10           15
162 Arg Asn Met Ile Glu Met Ala Arg Asn Glu Asn Gln Arg Glu Gln
163                               20           25           30
165 Ala Gly Leu Asn Arg Lys Tyr Leu Asp Glu Val
166                               35           40
167 <210> SEQ ID NO: 8
168 <211> LENGTH: 40
169 <212> TYPE: PRT
170 <213> ORGANISM: Unknown
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Frog Sauvagine (fSv) ✓
175 <400> SEQUENCE: 8
176 Glu Gly Pro Pro Ile Ser Ile Asp Leu Ser Leu Glu Leu Leu Arg
177                               5           10           15
179 Lys Met Ile Glu Ile Glu Lys Gln Glu Lys Glu Lys Gln Gln Ala
180                               20           25           30
182 Ala Asn Asn Arg Leu Leu Leu Asp Thr Ile
183                               35           40
185 <210> SEQ ID NO: 9
186 <211> LENGTH: 41
187 <212> TYPE: PRT
188 <213> ORGANISM: Unknown
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Dogfish Corticotropin Releasing Factor/Urotensin ✓
192 (dCRF/Uro)
194 <400> SEQUENCE: 9
195 Pro Ala Glu Thr Pro Asn Ser Leu Asp Leu Thr Phe His Leu Leu

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196          5          10          15
198 Arg Glu Met Ile Glu Ile Ala Lys His Glu Asn Gln Gln Met Gln
199          20          25          30
201 Ala Asp Ser Asn Arg Arg Ile Met Asp Thr Ile
202          35          40
204 <210> SEQ ID NO: 10
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206 <212> TYPE: PRT
207 <213> ORGANISM: Mus musculus
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209 <223> OTHER INFORMATION: Mouse Urocortin II precursor peptide
211 <400> SEQUENCE: 10
212 Met Thr Arg Trp Ala Leu Val Val Phe Val Val Leu Met Leu Asp
213          5          10          15
215 Arg Ile Leu Phe Val Pro Gly Thr Pro Ile Pro Thr Phe Gln Leu
216          20          25          30
218 Leu Pro Gln Asn Ser Leu Glu Thr Thr Pro Ser Ser Val Thr Ser
219          35          40          45
221 Glu Ser Ser Ser Gly Thr Thr Thr Gly Pro Ser Ala Ser Trp Ser
222          50          55          60
224 Asn Ser Lys Ala Ser Pro Tyr Leu Asp Thr Arg Val Ile Leu Ser
225          65          70          75
227 Leu Asp Val Pro Ile Gly Leu Leu Arg Ile Leu Leu Glu Gln Ala
228          80          85          90
230 Arg Tyr Lys Ala Ala Arg Asn Gln Ala Ala Thr Asn Ala Gln Ile
231          95          100          105
233 Leu Ala His Val Gly Arg Arg
234          110
236 <210> SEQ ID NO: 11
237 <211> LENGTH: 38
238 <212> TYPE: PRT
239 <213> ORGANISM: Mus musculus
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Mouse Urocortin II
244 <400> SEQUENCE: 11
245 Val Ile Leu Ser Leu Asp Val Pro Ile Gly Leu Leu Arg Ile Leu
246          5          10          15
248 Leu Glu Gln Ala Arg Tyr Lys Ala Ala Arg Asn Gln Ala Ala Thr
249          20          25          30
251 Asn Ala Gln Ile Leu Ala His Val
252          35
254 <210> SEQ ID NO: 12
255 <211> LENGTH: 38
256 <212> TYPE: PRT
257 <213> ORGANISM: Takifugu rubripes
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Pufferfish Urocortin Related Peptide
262 <400> SEQUENCE: 12
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264          5          10          15
266 Phe Asp Val Ala Lys Ala Lys Asn Leu Arg Ala Lys Ala Ala Glu
267          20          25          30
269 Asn Ala Arg Leu Leu Ala His Ile
270          35
273 <210> SEQ ID NO: 13
274 <211> LENGTH: 40
275 <212> TYPE: PRT
276 <213> ORGANISM: Rattus norvegicus
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Rat Urocortin
281 <400> SEQUENCE: 13
282 Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg
283          5          10          15
285 Thr Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala
286          20          25          30
288 Glu Gln Asn Arg Ile Ile Phe Asp Ser Val
289          35          40

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/919,473

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Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\08092001\I919473.raw

L:15 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:208 M:283 W: Missing Blank Line separator, <220> field identifier